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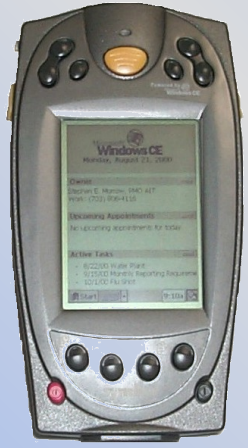
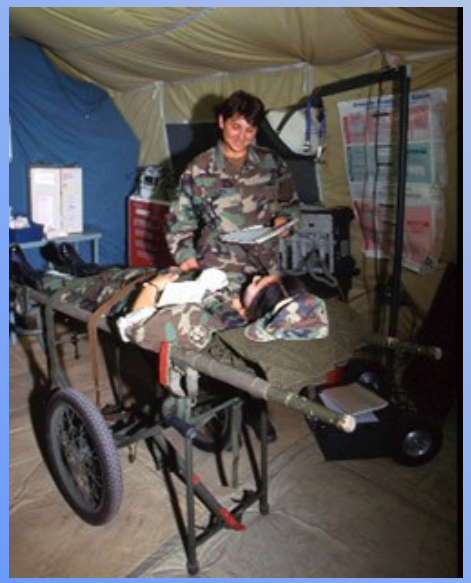


AFCEA - Belvoir
PEO EIS Industry Day



Mr. Gary Winkler

Project Manager

Transportation Information Systems

Agenda

- Joint Program Management Office Mission and Goals
- Automated Air Load Planning System (AALPS)
- Transportation Coordinators' – Automated Information for Movements System (TC-AIMS II)

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TIS JPMO Focus

Mission:

Develop, field and support enterprise information systems for the joint defense deployment and transportation community.

Near-Term Objective:

Evolve TC-AIMS II into a single integrated IT system running multiple deployment and transportation applications to achieve ITV and TAV for Joint Commanders.

Enterprise Migration Strategy

- Follow the underlying principles and philosophies of ERP solutions.
- Provide framework of integrated coding around a single database.
- Leverage investments already made in existing DoD deployment and transportation systems (e.g., AALPS, ICODES, CMOS, etc).
- Merge AALPS, ICODES, and other application databases into the TC-AIMS II database, eliminating redundancy and duplicative processes.
- Look for opportunities to migrate to COTS solutions, or integrate COTS solutions, with each competitive Block upgrade procurement.
- Help Users (Services, JTF Commanders) re-engineer their business processes and standardize data to fit into the Enterprise System.

PM, Transportation Information Systems Programs

Joint Migration Systems

TC-AIMS II
(ACAT IAM)
(Transportation Coordinators' - Automated Information for Movements System)

AALPS
(ACAT IV)
(Automated Airload Planning System)

ICODES (coming)
(ACAT IV)
(Integrated Computerized Deployment System)

Army Legacy Systems

TC ACCIS
(Transportation Information Automated Command and Control Information System)

DAMMS-R
(Department of the Army Movement Management System-Redesign)

Automated Air Load
Planning System

AALPS Product Capabilities

A Knowledge Based, Expert System Which Supports:

- Aircraft Load Planning and Execution
  - All Services
  - AMC Primary Mission Aircraft
  - Civil Reserve Air Fleet (CRAF)
  - All Aircraft Delivery Methods
  - Deliberate/Gross Load Planning
- User Functionality Includes:
  - Validating User-Defined Load Plans
  - Generating Valid Load Plans
  - Allowing User Modification
  - Providing User With a Tracking Tool During Actual Deployments

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System Specifications

- Type
  - Gateway 600S Laptop Computers
- Capabilities
  - Intel Pentium 4 Processor 2.0 GHzM
  - Memory – 512MB DDR SDRAM (2-256MB Modules)
  - Hard Drive – 30 GB Ultra ATA
  - Floppy Drive – 3.5, 1.44 Diskette Drive
  - CD RW CD-ROM
  - PCMCIA Card 56K
  - Monitor – 15.7 SXGA
- Operation System/ Application Software
  - MS Window NT Workstation Version 4.0 With
    - Service Pack 4, 5 or 6
  - MS Window 2000
  - Sybase ASE Version 12.0
  - AALPS 4.3

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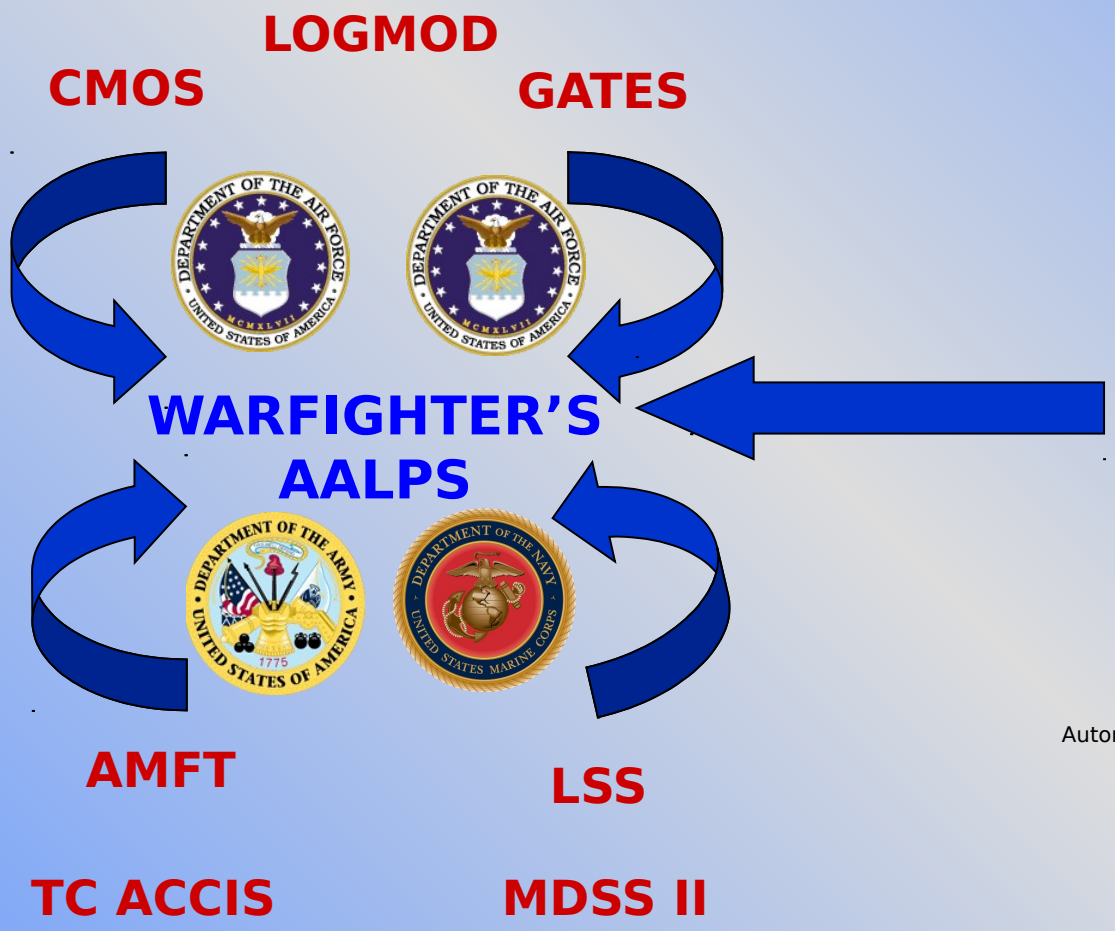
System Interfaces



TC-AIMS II

Transportation Coordinators' –
Automated Information for Movements System

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Joint Certifications

- DoD Standards Profile Certification
  - Achieved From DISA, JIEO: Jan 00
- Joint Interoperability Certification
  - JITC: Completed Feb 00
- Aircraft Database Certification
  - Air Mobility Command: Completed Feb 00
- DII-COE Level VII Certification
  - Achieved From DISA: Aug 02
- DITSCAP Accreditation
  - Signed 28 Sep 01

Development Schedule

- **AALPS Version 4.3** – Release Oct 02
  - MDSSII Interface
- **AALPS Version 4.3.1** – Release Mar 03
  - Integration Interface with TIS
  - Enhanced GATES Interface Capability
- **AALPS Version 4.3.2** – TBD
  - Enhanced Interface with TIS
- **AALPS Version 4.4** – Release Apr 05
  - Cargo Drag and Drop
- **AALPS Version 4.5** – Release Apr 06
  - Addition of C-17 Tiedown Ring Pattern
- **AALPS Version 4.6** – Release Feb 07
  - Web Based Access
  - NATO Metrics
- **AALPS Schedules for FOC**
  - Maintenance

AALPS Locations

Army – CONUS (32); OCONUS (11)

Air Force – CONUS (58); OCONUS (8)

Marine Corps – CONUS (10); OCONUS (1)

Navy – CONUS (11); OCONUS (4)

Coast Guard – CONUS (3)

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AALPS Training

AVAILABLE TRAINING COURSE

- User Course (5 days)
- AALPS Instructor User Certification Course (2 weeks)

TRAINING LOCATIONS

- Schofield Barracks, HI – Operated by 25th ID G4
- Vilseck, Germany – Operated by CATC 7th Army
- Fort Hood, TX – Operated by III Corps G3 Educational Services
- Fort McCoy, WI – Operated by U.S. Army Reserve
- Fort Campbell, KY – Operated by Deployment Business Center
- Fort Irwin, CA – Operated by National Training Center
- MOBILE TRAINING TEAMS MAY BE REQUESTED FROM THE PMO

Will transition to Distance Learning delivery in FY03

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Foreign Military Sales

- CURRENT FMS CASES
  - United Kingdom
  - Germany
- INITIAL COORDINATION
  - Canada
  - Italy
  - Spain
  - Czech Republic
  - Australia
  - New Zealand
  - European Airlift Coordination Center (EACC)

Customer Assistance

AALPS Customer Service

- **Telephonic Interface**
  - **Fayetteville, NC**
    (877) GO AALPS (462-2577)
    or (910) 484-4960
  - **Ft. Lee, VA**
    DSN 539-0962/0828/0892

24/7 Access to Customer Service

- **Automated Interface**
  - **AALPS Web Site**
    http://www.mtmc.army.mil

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TC-AIMS II

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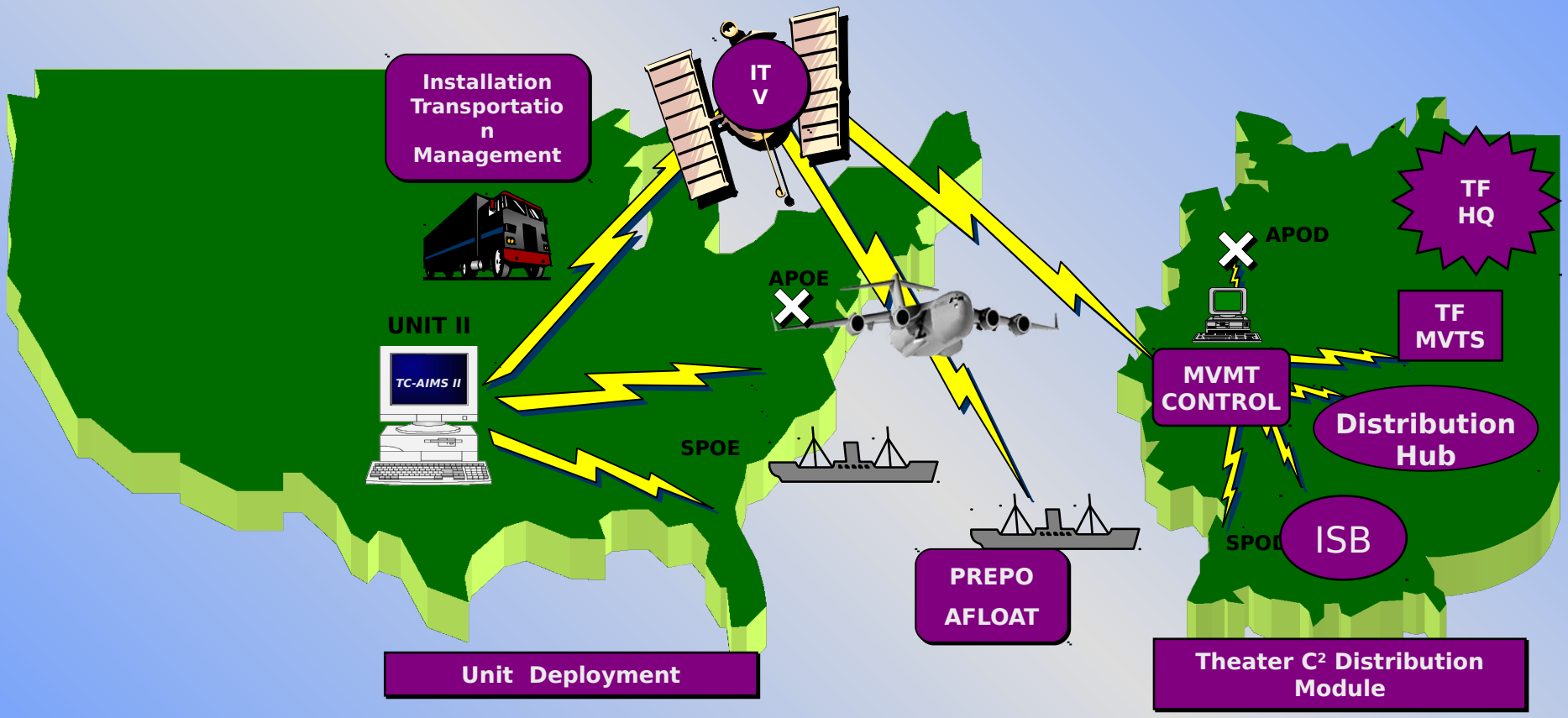
Operational Requirements



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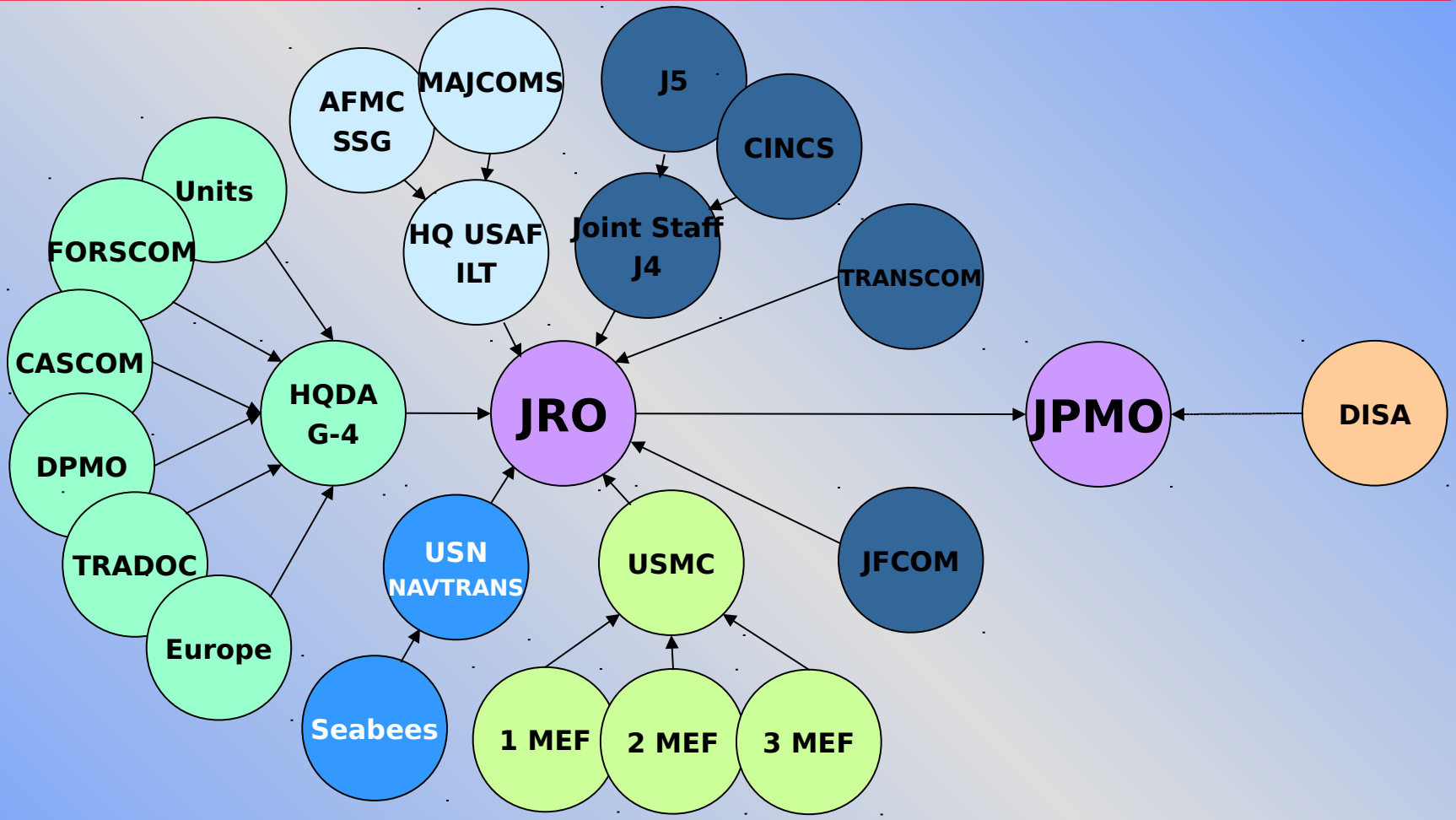
Requirements Complexity



Note: The JPMO's challenge to deliver TC-AIMS II software that satisfies all functional and technical requirements is complicated by several factors: diverse end user needs; compliance criteria that includes MILSTAMP, JOPES, DII COE, and C2; inconsistent transportation processes among the services and joint community; requirements statements that represent high level features vis-à-vis specific actions; and ill-defined test success criteria. For the JPMO to deliver software that meets an overall test success rate of 90%, suggests the software must be at least 97 to 100% acceptable to any designated user.

TC-AIMS II Functional Oversight

Action Officers

JRO

(Joint Requirements Office)

USMC (Chair)
JS J4
USTRANSCOM
USA
USN
USAF
USJFCOM
PEO EIS

Council of Colonels

CMB

(Configuration Management Board)

USMC
JS J4
USTRANSCOM (Chair)
USA
USN
USAF
USJFCOM
PEO EIS
ADUSD (TP)

General Officer Steering Committee

JTMB

(Joint TC-AIMS II Management Board)

USMC
JS J4
USTRANSCOM
USA
USN
USAF
USJFCOM
PEO EIS
ADUSD (TP) (Chair)

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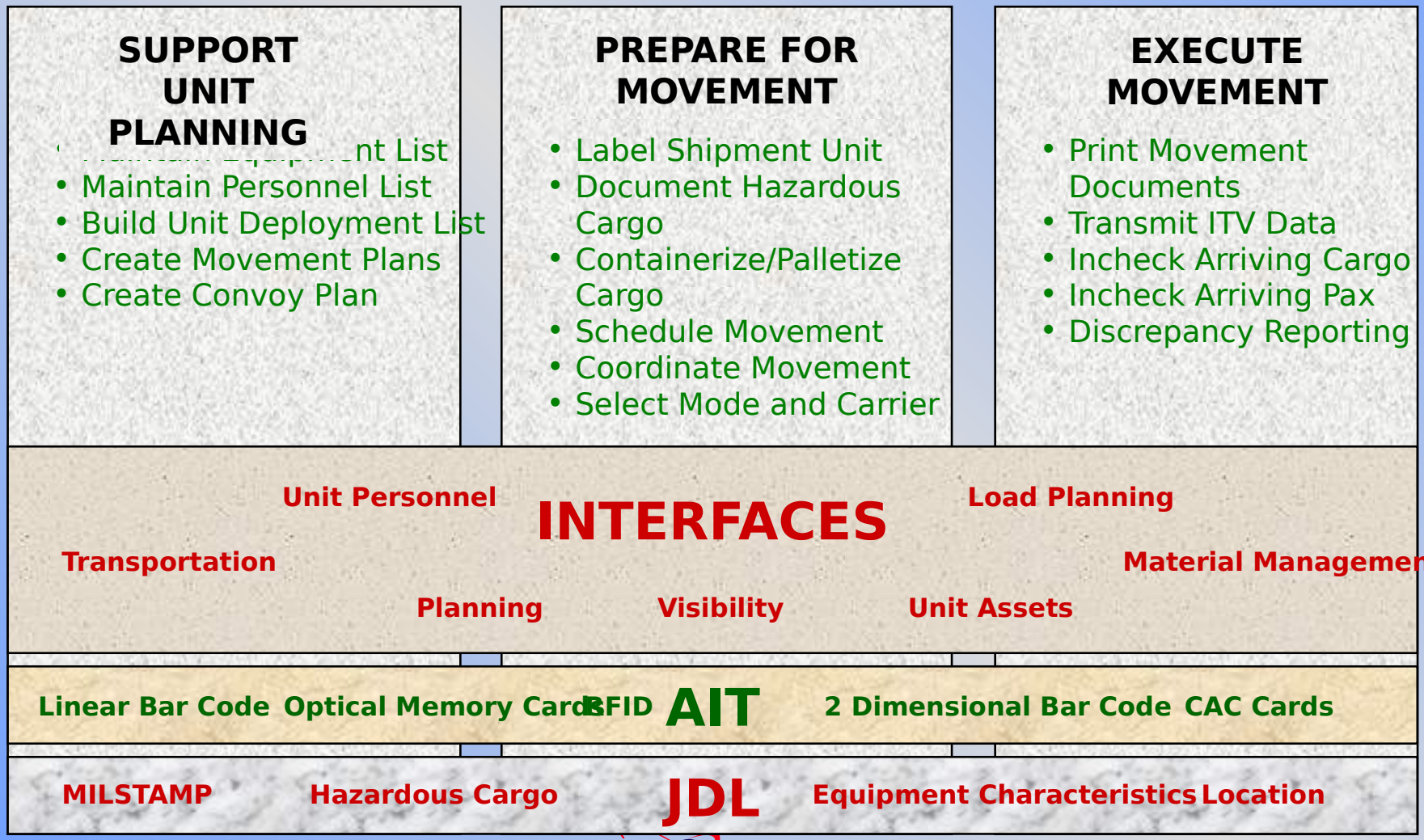
TC-AIMS II Acquisition Structure
(Funded Across POM)

For security reasons, contents of this slide have been removed. View unabridged version on AKO

TC-AIMS II Block 1 Capabilities



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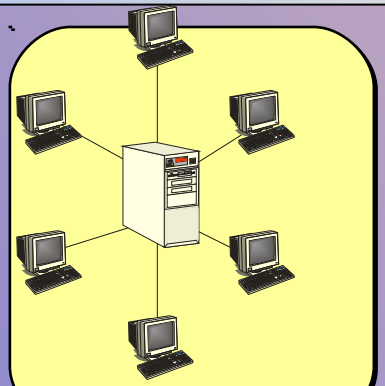
Scaleable Application

BLOCK 1

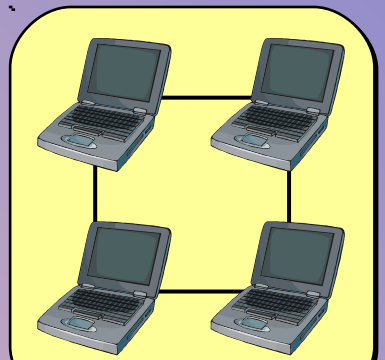


Client/Server

- Supports users with network connectivity
- Each machine on the network is considered a client or a server
- Server machines typically contains only the TC-AIMS II database
- Client machines typically contain only the application and other system components

Standalone

- Support user with limited or no network connectivity
- All TC-AIMS II components are installed on user's machine including the database and application
- Data can be exported to a flat file and shared with other TC-AIMS II databases



Workgroup

- TC-AIMS II machines connected as a workgroup supports client/server or standalone operations
- Any machine with the database can be the server
- Any machine with the application can be a client
- Supports occasional connection to the tactical network for external system communications

Web Enabled

- Enterprise Management
- Single Platform Initiative to co-host TC-AIMS II, AALPS, ICODES, TIS-TO, and DS2T
- Enhanced context sensitive help
- Joint Transportation Reference Information Portal (JTRIP) for data services
- Server consolidation

BLOCK 2

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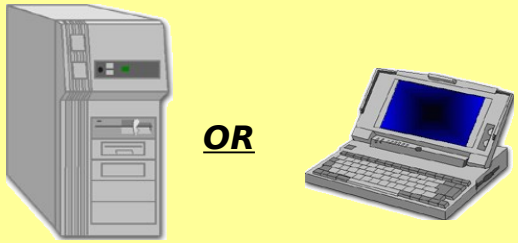
TC-AIMS II Equipment

- Work Station
  - Intel CPU Based COTS Laptop
  - Windows 2000 Operating System
  - 16 ppm laser printer
- Server
  - Intel CPU based COTS mini-serve
- Interrogator Set (aka AIT)
  - Handheld Interrogator/Scanner
  - RF Interrogator
  - Bar Code Printers
  - Portable Bar Code Printers

Z90335 AN/TYQ 129 (V)2
(TC-AIMS II Work Station)



Z90321 AN/TYQ 129 (V)1
(TC-AIMS II Server)

Z52950 AN/TYQ-95
(Interrogator Set)

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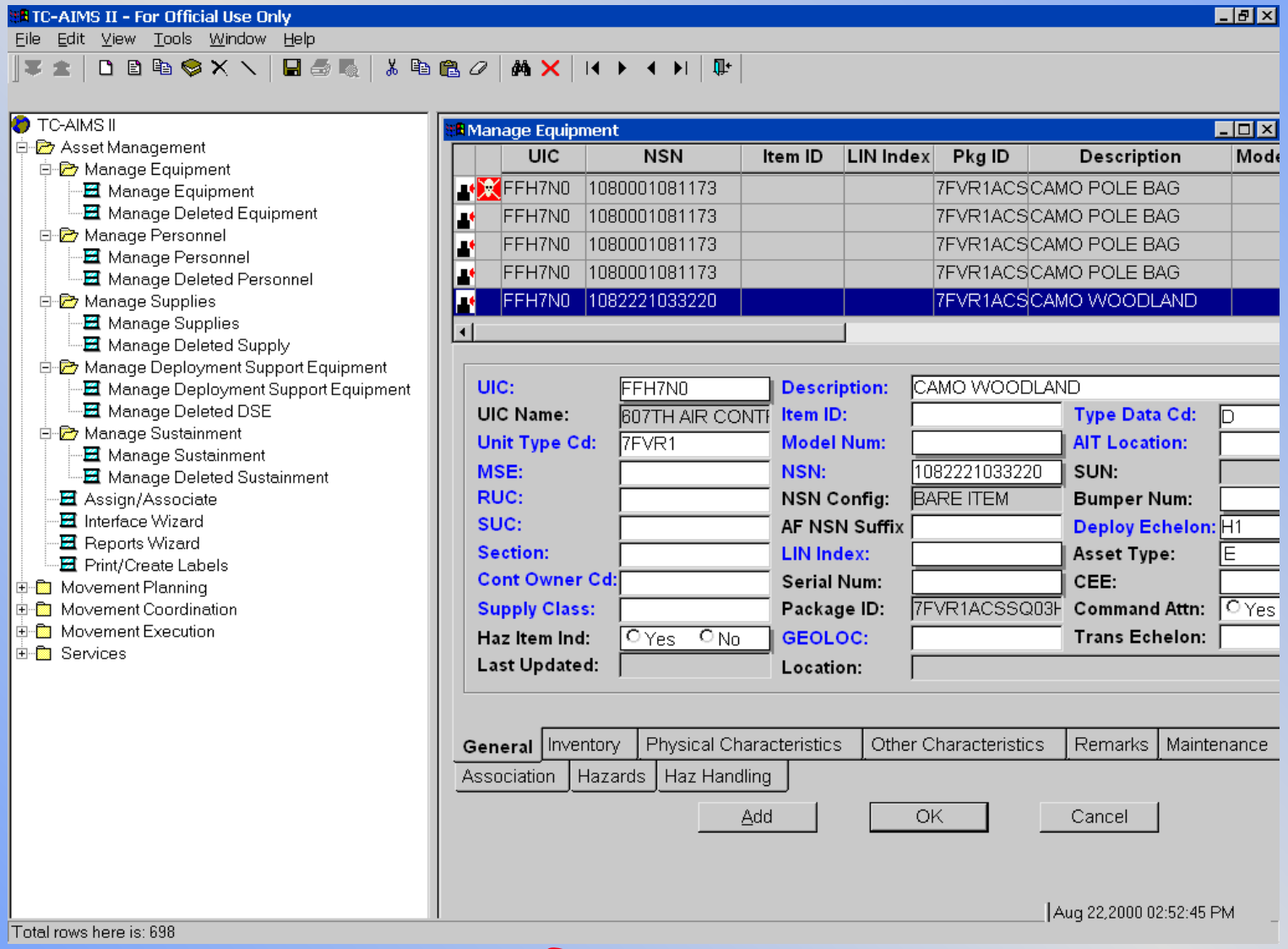
TC-AIMS II
Sample Asset Management Screen



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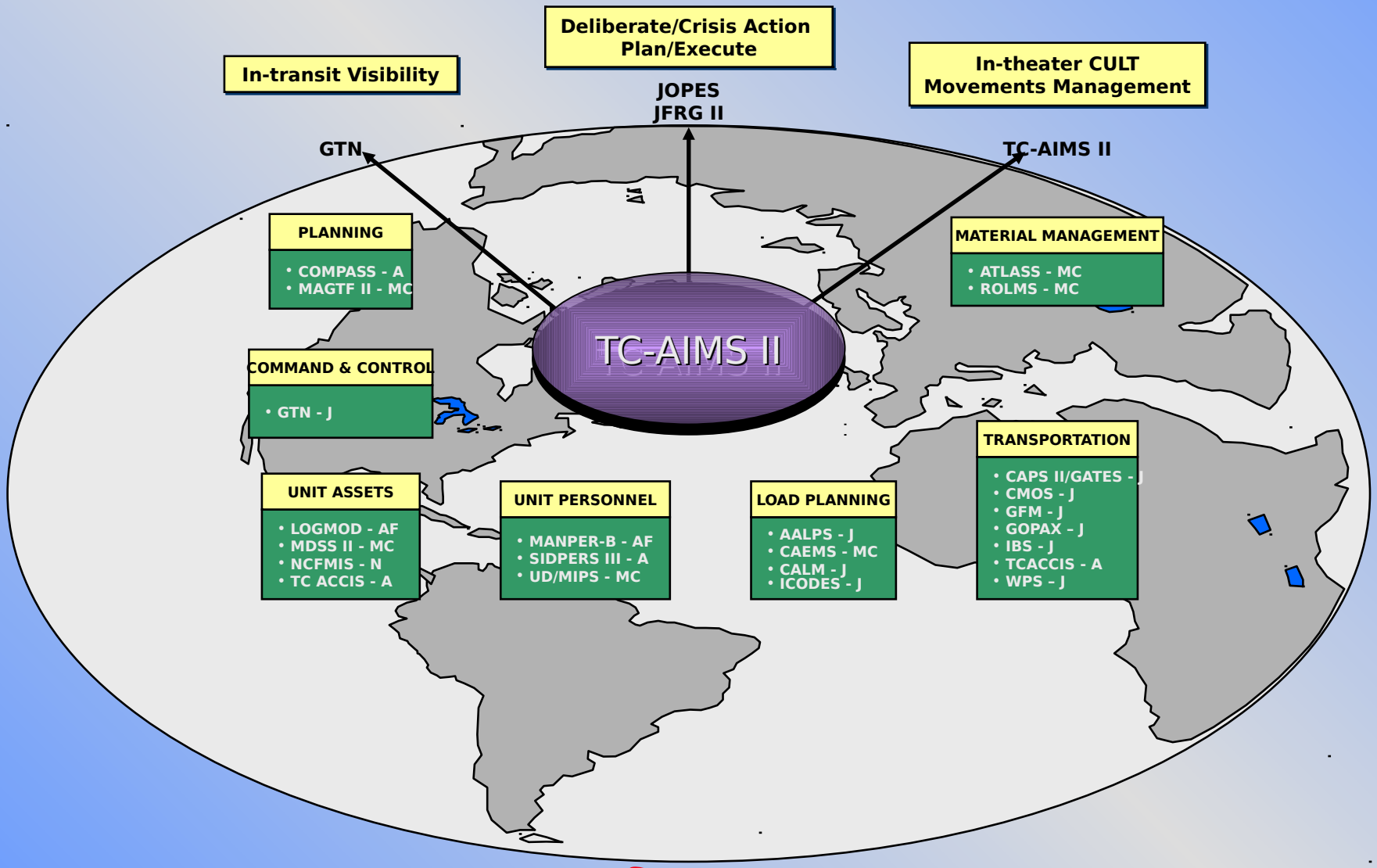
TC-AIMS II Block 1 Interfaces



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Block 1 Portable TC-AIMS II

- Load Planning (Air, Surface & Rail)
- All necessary transportation documentation (electronic & hard copy)
- Pole-to-Pole connectivity
- Interfaces with 23 other DoD systems for -
  - In-Transit Visibility (ITV)
  - Cargo & Passenger Manifest
  - Port Management (Air and Surface)
  - Convoy Operations
  - Feeds for Surface Conveyance Booking
- Full suite of AIT
- Iridium global SATCOM connectivity
- Ruggedized suitcase: single person mobility
- Battery, A/C plug, or D/C vehicle powered
- Available today to provide real time ITV from any Fort, Port, Airfield or TAA in the world
- Supports CFLCC requirement for LCOP ITV
- Critical for redeployment and retrograde operations

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PTC-AIMS II

Training

- NET Training
  - Primary mode is Distance Learning leveraging Army DLS Program
- Scenario-Based Training (SBT)
  - Capstone user exercise following NET
  - Teaches Army Deployment Business Process & TC-AIMS II
- Multimedia Training
  - Supplements sustainment training
  - Self-paced individual training

JROC-Approved Interim Solution

Approved full fielding to the Army and Navy

ARMY

NAVY

MARINES

AIR FORCE

- **Block 1 Milestone III Approval in November 2002**
- **Type Classification in February 2003**
- **Materiel Release is imminent**
- **Block 2 IOT&E scheduled for 4th Quarter 2003**
- **Block 2 Milestone III scheduled for December 2003**
- **Block 3 scheduled to start in January 2004**

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GWOT Support

- Navy
  - Deployed 3 units
    - Created deployment plans
    - Created PAX and Cargo Manifests
  - Unit feedback was very positive
- Army
  - CFLCC requested 64 Portable TC-AIMS II Block 1 units
  - Delivery completed by 25 Mar 03
  - Support team is on-site to train and assist.

Block 1 Fielding

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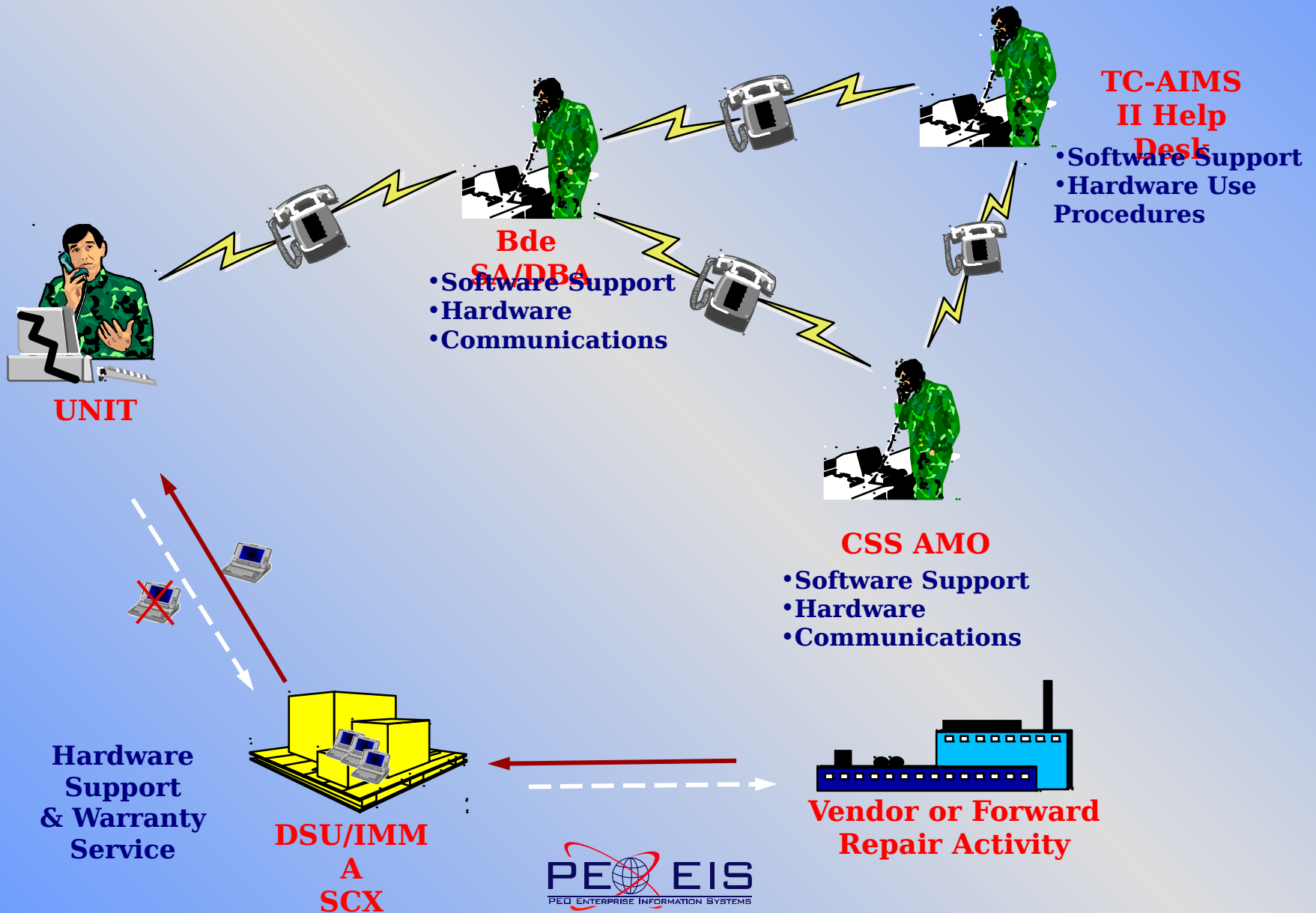
USA System Support Concept



Block 2

- System Architecture
  - Web Enabled TC-AIMS II
  - Single sign-on through AKO
  - Focus on server reduction
  - Becomes foundation for future blocks
- Deployment & Transportation Enterprise System
  - System services, product & software distribution
  - Co-hosted applications (TC-AIMS II, AALPS, ICODES)
  - Joint Data Reference Service
  - Integrated databases (TC-AIMS II, AALPS, DAMMS-R)
- Enhanced Unit Move Functionality
  - Manifest from Common Access Card (CAC)
  - Wireless AIT capabilities

Summary

- Block 1 fielding is on-track
- Program poised to make adjustments as necessary to meet operator's needs (PTC-AIMS II)
- Block 2 is on schedule for Milestone III in Dec 2003
- Block 3 planned to start in January 2004
- Productive partnership between user community, acquisition community, and industry.

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TC-AIMS II JPMO Key Personnel

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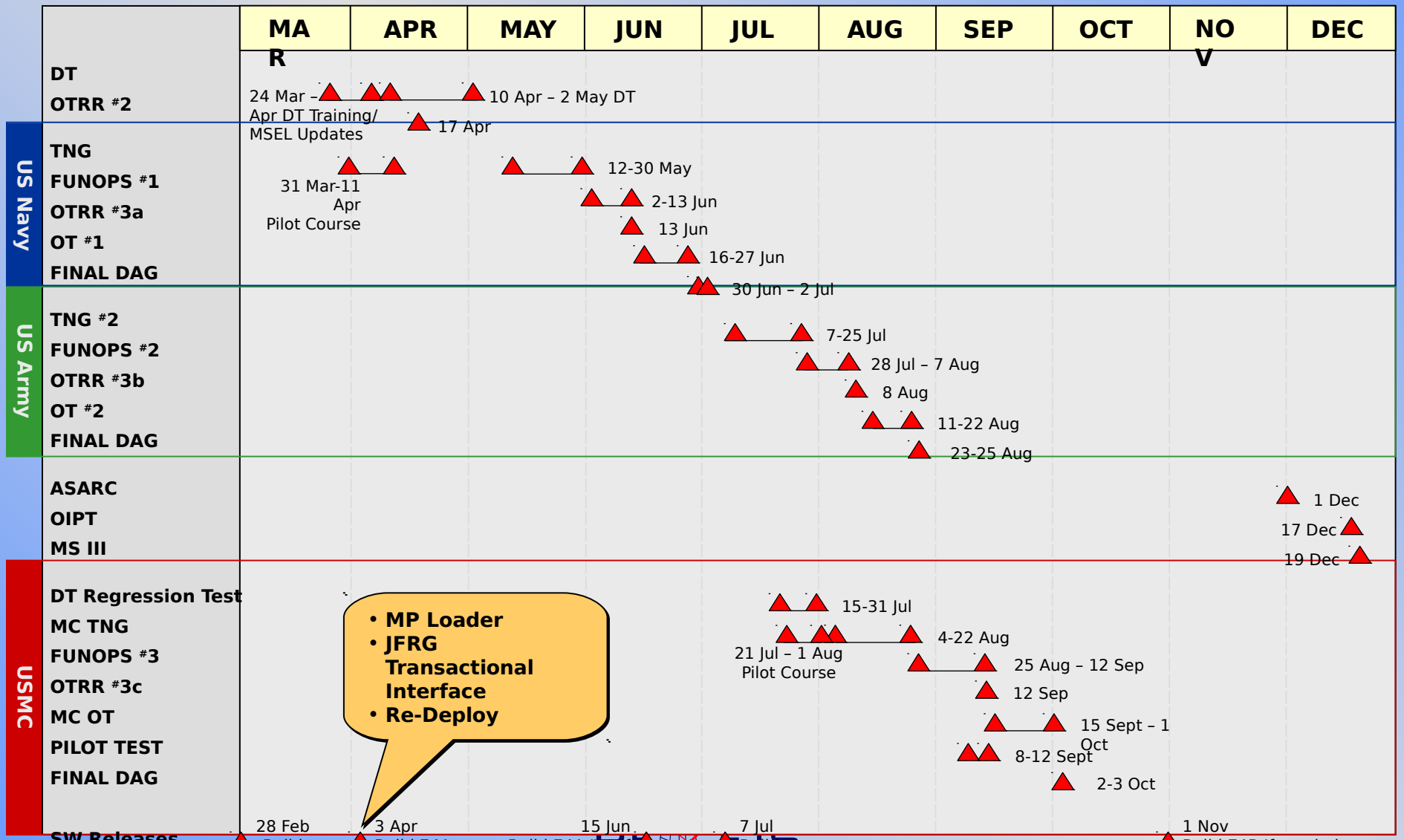
Backups

Block 2 Operational Test Activity Schedule



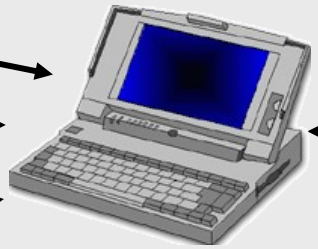
TC-AIMS II Typical Unit Move Hardware Distribution

Label Printers
(Desktop & Portable)

Laser Printer w/ each Workstation

RF Interrogator

HHI / Scanner



TC-AIMS II Workstation
(with Laser Printer)

TC-AIMS II Server
(Transportation & Logistics Units only)

Separate Compa

Company HQ

w/Printer

Battalion Level

S-3

w/Printer

S-4

w/Printer

Brigade Level & Higher

S-3

w/Printer

S-4

w/Printer

HHC

w/Printer

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Distance Learning
New Equipment Training (NET)

- Leverages the Army Distributed Learning System and Program (DLS)
- Training to be conducted via Video Tele-Training in DLS Facilities
  - UMO Course
  - UMC Course
- Accelerates fielding schedules
- Reduces training costs
- Retains training quality

Scenario Based Training

- Purpose
  - Provides users a step-by-step flow through the TC-AIMS II software in a manner that supports the Army Business Process

- Description
  - Includes a scenario, procedures, checklists and descriptive information to exercise the pre-deployment, deployment, and re-deployment of a Brigade size element.

  - Capstone Exercise at end of NET

Multi-Media Training

- Supplements TC-AIMS II sustainment training
- Provides business process overview
- Uses same screens and “key strokes” as application
- May be used with the application or in a standalone mode